

Abstract

Heat exchanger with thermal inertia for a heat transfer fluid circuit, particularly of a motor vehicle

The invention relates to a heat exchanger for a heat transfer fluid circuit comprising ducts for the circulation of the heat transfer fluid, which are inserted between an inlet and an outlet, and cavities which are designed to contain a heat storage fluid are situated adjacent to the cooling fluid circulation ducts and are also associated with heat-exchange surfaces able to be swept by a flow of air to be conditioned, so that the heat storage fluid is capable of exchanging heat with the air flow , if the circulation of the heat transfer fluid is stopped. Application in particular to the air-conditioning evaporators of motor vehicles.